

Table 39. Light-Duty Vehicle Sales by Technology Type  
(thousands) Middle Atlantic - 02

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
<b>New Car Sales 1/</b>														
Conventional Vehicles														
Gasoline ICE Vehicles	1087.9	1111.3	1209.4	1213.2	1168.3	1124.9	1095.4	1088.4	1069.6	1052.5	1025.8	1008.8	993.6	
TDI Diesel ICE	3.6	3.7	4.5	5.5	5.1	4.7	4.5	4.3	4.5	4.6	4.4	4.6	4.8	
Total Conventional	1091.5	1115.0	1213.9	1218.7	1173.4	1129.6	1099.9	1092.8	1074.1	1057.1	1030.2	1013.5	998.4	
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Ethanol-Flex Fuel ICE	11.6	27.1	30.5	49.2	54.7	58.9	64.7	63.9	62.3	61.1	59.7	57.8	56.8	
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	
Electric Vehicle	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	
Plug-in Gasoline Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.6	0.8	0.9	0.9	0.8	
Electric-Gasoline Hybrid	11.9	22.6	24.8	28.4	37.6	37.7	44.7	46.4	47.4	48.5	48.7	50.5	52.4	
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Compressed Natural Gas Bi-fuel	1.6	1.8	1.9	2.0	1.9	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	
Liquefied Petroleum Gases ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Liquefied Petroleum Gases Bi-fuel	6.3	6.6	7.2	7.4	7.2	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.6	
Total Alternatives	31.9	58.6	65.0	87.4	101.9	106.0	118.8	119.6	119.4	119.6	118.3	118.3	119.0	
Percent Alternative Car Sales	2.84	4.99	5.08	6.69	7.99	8.58	9.75	9.87	10.00	10.17	10.30	10.45	10.65	
Total New Car Sales	1123.4	1173.6	1278.9	1306.1	1275.3	1235.5	1218.7	1212.4	1193.5	1176.7	1148.5	1131.8	1117.4	
<b>New Light Truck Sales 2/</b>														
Conventional Vehicles														
Gasoline ICE Vehicles	1066.8	1040.9	886.6	785.3	799.9	820.8	844.0	885.7	900.9	915.7	935.8	931.4	927.8	
TDI Diesel ICE	52.8	43.1	45.9	45.0	44.3	45.7	47.7	52.3	55.8	57.4	57.3	60.3	62.8	
Total Conventional	1119.6	1084.0	932.5	830.2	844.2	866.5	891.7	937.9	956.7	973.1	993.1	991.7	990.6	
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Ethanol-Flex Fuel ICE	77.6	61.5	56.3	100.5	118.3	141.8	172.2	182.9	186.3	189.9	194.6	193.7	193.0	
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Electric Vehicle	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Plug-in Gasoline Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
Electric-Gasoline Hybrid	0.0	10.1	12.4	11.6	26.2	27.1	28.3	31.0	35.1	38.6	40.8	49.1	53.3	
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Compressed Natural Gas Bi-fuel	4.7	4.6	4.0	3.7	3.9	4.1	4.3	4.6	4.7	4.7	4.9	4.9	4.9	
Liquefied Petroleum Gases ICE	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Liquefied Petroleum Gases Bi-fuel	15.7	15.2	13.1	12.4	13.0	13.6	14.3	15.1	15.5	15.8	16.1	16.2	16.2	

Table 39. Light-Duty Vehicle Sales by Technology Type  
(thousands) Middle Atlantic - 02

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.1	0.1	0.3	0.3
Total Alternatives	98.6	91.9	86.3	128.6	162.0	187.3	219.8	234.3	242.5	249.7	257.1	264.9	268.4
Percent Alternative L.T. Sales	8.10	7.82	8.47	13.42	16.10	17.77	19.77	19.99	20.22	20.42	20.57	21.08	21.32
Total New Truck Sales	1218.2	1176.0	1018.8	958.9	1006.1	1053.8	1111.5	1172.2	1199.2	1222.8	1250.3	1256.6	1259.0
Percent Total Alternative Sales	5.57	6.41	6.59	9.54	11.57	12.81	14.53	14.84	15.12	15.39	15.65	16.04	16.30
EPACT Legislative Alternative Sales	39.51	38.93	36.05	34.84	35.71	36.51	37.76	39.18	39.67	40.09	40.51	40.51	40.44
ZEV Legislative Alternative Sales	0.00	13.16	13.84	13.67	13.67	18.22	20.35	22.86	34.52	37.45	37.16	70.02	68.87
Total Vehicles Sales	2341.6	2349.6	2297.8	2265.0	2281.5	2289.3	2330.2	2384.6	2392.7	2399.6	2398.8	2388.4	2376.4

Table 39. Light-Duty Vehicle Sales by Technology Type  
(thousands) Middle Atlantic - 02

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
<b>New Car Sales 1/</b>															
Conventional Vehicles															
Gasoline ICE Vehicles	986.2	975.7	985.4	983.0	978.0	975.6	962.0	959.8	958.2	948.7	945.6	942.2	933.1	932.8	-0.7%
TDI Diesel ICE	5.1	5.5	6.1	6.4	6.9	7.4	7.7	8.3	8.8	8.9	9.4	10.0	10.3	11.1	4.5%
Total Conventional	991.3	981.1	991.4	989.4	984.9	983.0	969.8	968.1	967.0	957.6	955.0	952.2	943.4	943.9	-0.7%
Alternative-Fuel Vehicles															
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3%
Ethanol-Flex Fuel ICE	56.2	55.8	56.0	56.7	56.1	55.8	55.7	55.1	54.9	55.0	54.3	54.0	53.8	53.5	2.8%
Ethanol ICE	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	5.5%
Electric Vehicle	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	-0.3%
Plug-in Gasoline Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Electric-Diesel Hybrid	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	N/A
Electric-Gasoline Hybrid	55.0	57.6	62.1	63.9	67.2	71.2	71.8	74.8	77.9	78.8	81.8	85.1	87.8	91.5	5.7%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3%
Compressed Natural Gas Bi-fuel	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	-0.3%
Liquefied Petroleum Gases ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Liquefied Petroleum Gases Bi-fuel	6.3	6.2	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	-0.3%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.5	1.1	1.1	1.1	1.1	1.1	1.0	1.2	1.1	1.1	1.1	1.1	1.1	1.1	77.7%
Total Alternatives	121.1	123.6	128.6	130.9	133.7	137.3	137.6	140.1	143.1	143.9	146.2	149.1	151.6	155.0	4.0%
Percent Alternative Car Sales	10.88	11.19	11.48	11.69	11.95	12.26	12.43	12.64	12.89	13.07	13.28	13.54	13.85	14.11	4.2%
Total New Car Sales	1112.4	1104.8	1120.0	1120.4	1118.6	1120.3	1107.4	1108.2	1110.1	1101.5	1101.2	1101.4	1095.1	1098.9	-0.3%
<b>New Light Truck Sales 2/</b>															
Conventional Vehicles															
Gasoline ICE Vehicles	928.6	928.9	932.4	949.4	952.3	946.1	954.0	952.3	950.8	967.5	967.1	962.1	964.8	958.9	-0.3%
TDI Diesel ICE	66.9	71.8	78.6	83.6	89.9	95.8	101.8	108.9	114.0	116.8	122.9	128.2	133.2	141.2	4.9%
Total Conventional	995.6	1000.8	1011.0	1033.0	1042.1	1041.8	1055.8	1061.2	1064.8	1084.3	1090.1	1090.2	1098.0	1100.2	0.1%
Alternative-Fuel Vehicles															
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8%
Ethanol-Flex Fuel ICE	193.2	193.3	194.0	197.8	198.5	197.1	198.8	198.5	198.3	201.8	201.7	200.5	201.1	199.8	4.8%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Electric Vehicle	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8%
Plug-in Gasoline Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Electric-Diesel Hybrid	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	N/A
Electric-Gasoline Hybrid	55.9	58.8	62.5	65.7	69.2	72.3	74.4	78.0	81.6	84.7	88.8	92.6	96.9	101.2	9.7%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9%
Compressed Natural Gas Bi-fuel	4.9	5.0	5.0	5.1	5.2	5.2	5.3	5.3	5.3	5.4	5.5	5.5	5.5	5.5	0.8%
Liquefied Petroleum Gases ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.9%
Liquefied Petroleum Gases Bi-fuel	16.3	16.5	16.7	17.0	17.2	17.2	17.5	17.6	17.7	18.0	18.1	18.2	18.3	18.4	0.8%

Table 39. Light-Duty Vehicle Sales by Technology Type  
(thousands) Middle Atlantic - 02

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.3	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.0	1.1	27.1%
Total Alternatives	271.5	274.9	279.6	287.3	291.7	293.4	297.6	301.1	304.7	311.8	316.0	318.7	323.8	326.9	5.2%
Percent Alternative L.T. Sales	21.43	21.55	21.66	21.76	21.87	21.98	21.99	22.10	22.25	22.33	22.47	22.62	22.78	22.91	4.4%
Total New Truck Sales	1267.0	1275.7	1290.6	1320.3	1333.8	1335.2	1353.4	1362.4	1369.5	1396.1	1406.0	1408.9	1421.8	1427.1	0.8%
Percent Total Alternative Sales	16.50	16.74	16.93	17.14	17.35	17.54	17.69	17.86	18.06	18.25	18.43	18.64	18.89	19.08	4.5%
EPACT Legislative Alternative Sales	40.59	40.74	41.23	41.96	42.27	42.32	42.65	42.87	43.06	43.63	43.87	43.94	44.20	44.36	0.5%
ZEVP Legislative Alternative Sales	68.14	104.07	105.45	106.06	111.85	111.13	109.93	122.67	122.11	123.35	129.65	130.66	131.62	133.65	9.7%
Total Vehicles Sales	2379.4	2380.4	2410.6	2440.7	2452.4	2455.6	2460.8	2470.6	2479.6	2497.5	2507.2	2510.2	2516.9	2526.0	0.3%

Table 39. Light-Duty Vehicle Sales by Technology Type

(thousands)

Middle Atlantic - 02

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

ZEVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 2004 and 2005 values derived using Energy Information Administration (EIA), Estimated Number of Alternative-Fueled Vehicles,

[http://www.eia.doe.gov/cneaf/alternate/page/datatables/aft1\\_13\\_03.html](http://www.eia.doe.gov/cneaf/alternate/page/datatables/aft1_13_03.html); and EIA, AEO2007 National Energy Modeling System run

aoe2007.d112106a. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.